

McDONNELL DOUGLAS CORPORATION
ST. LOUIS, MISSOURI
TRACTS I AND II

ATTACHMENT A (continued)

Form OP - D05 Compliance Determination Methods

10 CSR 10-5.030 Maximum Allowable Emission of Particulate Matter From Fuel
Burning Equipment Used For Indirect Heating

“Existing” Sources (continued):

Similarly, if the boilers and other miscellaneous equipment are operated on fuel oil, the same compliance approach applies. The following table (Table D05-5) demonstrates via comparison that the PM emission limit determined for McDonnell Douglas’ “existing” sources is higher than the AP-42 emission rate for fuel oil (and natural gas) combustion. Thus, all “existing” fuel oil combustion units will also be in compliance at all times.

Coal-Fired Boilers

(CS-005-02 thru CS-005-04)

(Emission factors developed from actual stack test data were used as the method to demonstrate a “one-time” compliance determination with the emission limits developed per 10 CSR 10-5.030.)

Table D05-5 compares the PM emission rate limit calculated by the above equation with the PM emission rate determined by an actual stack test performed on three coal-fired boilers at McDonnell Douglas. Since the stack test results are lower than the PM limit of this rule, the three boilers are in compliance.

McDONNELL DOUGLAS CORPORATION
ST. LOUIS, MISSOURI
TRACTS I AND II

ATTACHMENT A (continued)

Form OP - D05 Compliance Determination Methods

10 CSR 10-5.030 Maximum Allowable Emission of Particulate Matter From Fuel
Burning Equipment Used For Indirect Heating

10 CSR 10-5.030(3)(B)2.

For "New" Sources:

Boilers, Space Heaters, and Misc. Combustion Equipment

(NG and FO)

(The AP-42 emission factors were used as the method to demonstrate a "one-time" compliance determination with the PM emission limits developed per 10 CSR 10-5.030.)

Per 10 CSR 10-5.030 (3)(B)2., each "new" indirect heating source has a PM emission limit determined by $E=0.80 Q^{-0.301}$, where Q= the total heat input of all "new" and "existing" indirect heating sources. The total Q for McDonnell Douglas' "new" and "existing" indirect heating sources is 1,050 MMBtu/hr and the calculated PM emission limit is 0.10 lb/MMBtu. Compliance of each source with this limit is demonstrated in Table D05-5 using the same approach described above.

Refuse Fired Boilers

(CS-101-05 and CS-101-06)

(Emission factors developed from actual stack test data were used as the method to demonstrate a "one-time" compliance determination with the emission limits developed per 10 CSR 10-5.030.) For the two Refuse Fired Boilers listed in Table D05-5, the PM emission rate was determined by an actual stack test. (This stack test was originally performed to demonstrate compliance with the PM emission limit in 40 CFR Part 60, NSPS.

McDONNELL DOUGLAS CORPORATION
ST. LOUIS, MISSOURI
TRACTS I AND II

ATTACHMENT A (continued)

Form OP - D05 Compliance Determination Methods

10 CSR 10-5.030 Maximum Allowable Emission of Particulate Matter From Fuel
Burning Equipment Used For Indirect Heating

For "New" Sources (continued):

Refuse Fired Boilers

Subpart E.) The PM emission rate from each of the two Refuse Fired Boilers is 0.08 lb/MMBtu, which is less than the calculated limit of 0.10 lb/MMBtu.

Additional monitoring or record keeping (for all indirect heating sources) beyond this initial demonstration is not necessary on the part of the facility.

MCDONNELL DOUGLAS CORPORATION

St. Louis, Missouri

Tracts I and II

**Table D05-5: COMPLIANCE DETERMINATION WITH 10 CSR 10-5.030,
Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating**

EIQ POINT NO.	EMISSION UNIT NUMBER	DESCRIPTION	FUEL TYPE	HEAT INPUT RATING (Q) (MMBTU/HR)		PM EMISSION RATE LIMIT (lb/MMBTU)		AP-42 Emission Factor for PM Natural Gas (lb/MMBTU)	AP-42 Emission Factor for PM Fuel Oil (lb/MMBTU)	AP-42 Emission Factor for PM Propane (lb/MMBTU)	Stack Test Emission Factor (lb/MMBTU)
				Existing Source (Installed before Feb. 15, 1979)	New Source (Installed after Feb. 15, 1979)	Existing Sources E=1.09Q ^{-0.259}	New Sources E=0.80Q ^{-0.361}				
CS-005-02	CS-005-02	Coal fired boiler (operating permit #5367)	Coal	---	76.40	---	0.10	---	---	---	0.025
CS-005-03	CS-005-03	Coal fired boiler (operating permit #5367)	Coal	---	76.40	---	0.10	---	---	---	0.025
CS-005-04	CS-005-04	Coal fired boiler (operating permit #5367)	Coal	---	76.40	---	0.10	---	---	---	0.025
CS-005-05	CS-005-05	Keeler boiler (operating permit #3124)	Natural Gas	77.00	---	0.21	---	0.014	---	---	---
CS-STL-01	CS-STL-01A	5 natural gas space heaters (0.5 MMBtu/hr ea.)	Natural Gas	---	2.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	4 natural gas space heaters (0.075 MMBtu/hr ea.)	Natural Gas	---	0.30	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.08	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	---	0.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	1.25	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas heating unit	Natural Gas	---	0.06	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas	---	0.10	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas	---	10.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	21 natural gas space heaters in building (0.5 MMBtu/hr ea.)	Natural Gas	---	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-025-01	Natural gas boiler (operating permit # 4373)	Natural Gas	8.50	---	---	0.10	0.014	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	10.00	---	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.50	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3131)	Natural Gas	4.20	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3131)	Natural Gas	4.20	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.18	---	0.21	---	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3132)	Natural Gas	6.74	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3132)	Natural Gas	6.74	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3133)	Natural Gas	3.16	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3133)	Natural Gas	3.16	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3133)	Natural Gas	0.20	---	0.21	---	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	0.20	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	---	1.20	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3319)	Natural Gas	---	1.20	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 3319)	Natural Gas	3.60	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Sellers hot water boiler	Natural Gas	3.60	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Sellers hot water boiler	Natural Gas	0.50	---	0.21	---	---	---	0.004	---
CS-STL-01	CS-STL-01C	Propane space heater	Propane	0.11	---	0.21	---	---	---	0.004	---
CS-STL-01	CS-STL-01C	Propane space heater	Propane	0.11	---	0.21	---	---	---	0.004	---
CS-STL-01	CS-STL-01C	Propane space heater	Propane	0.11	---	0.21	---	---	---	0.004	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	3.00	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 5488)	Natural Gas	---	0.06	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas	---	---	---	---	---	---	---	---

MCDONNELL DOUGLAS CORPORATION

St. Louis, Missouri

Tracts I and II

**Table D05-5: COMPLIANCE DETERMINATION WITH 10 CSR 10-5.030,
Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating**

EQ POINT NO.	EMISSION UNIT NUMBER	DESCRIPTION	FUEL TYPE	HEAT INPUT RATING (Q) (MMBTU/HR)		PM EMISSION RATE LIMIT (lb/MMBTU)		AP-42 Emission Factor for PM Natural Gas (lb/MMBTU)	AP-42 Emission Factor for PM Fuel Oil (lb/MMBTU)	AP-42 Emission Factor for PM Propane (lb/MMBTU)	Stack Test Emission Factor (lb/MMBTU)
				Existing Source (Installed before Feb. 15, 1979)	New Source (Installed after Feb. 15, 1979)	Existing Sources $E=1.09Q^{0.259}$	New Sources $E=0.80Q^{0.301}$				
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	---	0.70	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	---	0.70	---	0.10	0.012	---	---	---
CS-STL-01	CS-066-01	Natural gas boiler (operating permit # 3210)	Natural Gas	6.30	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-066-02	Natural gas boiler (operating permit # 3210)	Natural Gas	6.30	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-066-03	Natural gas boiler (operating permit # 3210)	Natural Gas	6.30	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-066-04	Natural gas boiler (operating permit # 3210)	Natural Gas	6.30	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	3.10	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	3.10	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	3.10	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	3.10	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	3.10	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	2.80	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	2.80	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	2.80	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	1.60	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	1.60	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	1.60	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	1.60	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	1.60	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas unit heater	Natural Gas	1.60	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-067-01	Natural gas boiler	Natural Gas	---	2.09	---	0.10	0.012	---	---	---
CS-STL-01	CS-067-02	Natural gas boiler	Natural Gas	---	2.09	---	0.10	0.012	---	---	---
CS-101-01	CS-101-01	Natural gas boiler (operating permit # 3078)	Natural Gas	52.00	---	0.21	---	0.014	---	---	---
CS-101-02	CS-101-02	Natural gas boiler (operating permit # 3078)	Natural Gas	52.00	---	0.21	---	0.014	---	---	---
CS-101-03	CS-101-03	Natural gas boiler (operating permit # 3078)	Natural Gas	20.80	---	0.21	---	0.014	---	---	---
CS-101-04	CS-101-04	Natural gas boiler (operating permit # 3078)	Natural Gas	20.80	---	0.21	---	0.014	---	---	---
CS-101-05	CS-101-05	Refuse-fired boiler #1: Refuse (operating permit # 5229)	Refuse	---	54.75	---	0.10	---	---	---	0.084
CS-101-05	CS-101-05	Refuse-fired boiler #1: Primary natural gas auxiliary	Natural Gas	---	0.80	---	0.10	---	---	---	0.084
CS-101-05	CS-101-05	Refuse-fired boiler #1: Secondary natural gas auxiliary	Natural Gas	---	2.50	---	0.10	---	---	---	0.084
CS-101-06	CS-101-06	Refuse-fired boiler #2: Refuse (operating permit # 5230)	Refuse	---	54.75	---	0.10	---	---	---	0.084
CS-101-06	CS-101-06	Refuse-fired boiler #2: Primary natural gas auxiliary	Natural Gas	---	0.80	---	0.10	---	---	---	0.084
CS-101-06	CS-101-06	Refuse-fired boiler #2: Secondary natural gas auxiliary	Natural Gas	---	2.50	---	0.10	---	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	1.00	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	1.00	---	0.21	---	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas water heater (Steam Jenny)	Natural Gas	0.20	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 5284)	Natural Gas	1.10	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 5285)	Natural Gas	---	3.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 5285)	Natural Gas	---	3.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Stone Johnson boiler	Natural Gas	---	3.40	---	0.10	0.014	---	---	---
CS-102-01	CS-102-01	Natural gas boiler (operating permit # 3005)	Natural Gas	79.60	---	0.21	---	0.014	---	---	---
CS-102-02	CS-102-02	Natural gas boiler (operating permit # 3079)	Natural Gas	33.48	---	0.21	---	0.014	---	---	---
CS-102-03	CS-102-03	Natural gas boiler (operating permit # 3079)	Natural Gas	25.20	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas door heater	Natural Gas	1.88	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas door heater	Natural Gas	1.88	---	0.21	---	0.012	---	---	---

MCDONNELL DOUGLAS CORPORATION

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Tracts I and II

**Table D05-5: COMPLIANCE DETERMINATION WITH 10 CSR 10-5.030,
Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating**

EIQ POINT NO.	EMISSION UNIT NUMBER	DESCRIPTION	FUEL TYPE	HEAT INPUT RATING (Q) (MMBTU/HR)		PM EMISSION RATE LIMIT (lb/MMBTU)		AP-42 Emission Factor for PM Natural Gas (lb/MMBTU)	AP-42 Emission Factor for PM Fuel Oil (lb/MMBTU)	AP-42 Emission Factor for PM Propane (lb/MMBTU)	Stack Test Emission Factor (lb/MMBTU)
				Existing Source (Installed before Feb. 15, 1979)	New Source (Installed after Feb. 15, 1979)	Existing Sources E=1.09Q ^{0.75}	New Sources E=0.80Q ^{0.75}				
			Natural Gas	1.88	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas door heater	Natural Gas	0.80	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.90	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas door heater	Natural Gas	0.80	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.10	---	0.21	---	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater - chiller room	Natural Gas	0.90	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.50	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.90	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater (new)	Natural Gas	0.90	---	0.21	---	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater (new)	Natural Gas	0.10	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater - west chiller room	Natural Gas	---	0.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	0.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	8.40	---	0.10	0.012	---	0.004	---
CS-STL-01	CS-STL-01A	Natural gas air preheater (postheater)	Natural Gas	---	0.0001	---	0.10	---	---	---	---
CS-STL-01	CS-STL-01C	Propane test rig	Propane	---	---	0.21	---	0.014	0.014	---	---
CS-110-01	CS-110-01	Natural gas/Fuel oil boiler (operating permit # 4709)	Natural Gas	10.46	---	0.21	---	0.014	0.014	---	---
CS-110-02	CS-110-02	Natural gas/Fuel oil boiler (operating permit # 4709)	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas	---	0.30	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas	---	0.60	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas	---	16.80	---	0.10	0.014	0.014	---	---
CS-111-01	CS-111-01	Natural gas/Fuel oil boiler (operating permit # 5287)	Natural Gas	---	16.80	---	0.10	0.014	0.014	---	---
CS-111-02	CS-111-02	Natural gas/Fuel oil boiler (operating permit # 5287)	Natural Gas	---	6.30	---	0.10	0.012	0.014	---	---
CS-STL-01	CS-111-03	Natural gas/Fuel oil boiler (operating permit # 5288)	Natural Gas	---	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 4288)	Natural Gas	1.95	---	0.21	---	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	0.03	---	0.21	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler	Natural Gas	---	1.70	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler	Natural Gas	---	0.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	8.40	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 4903)	Natural Gas	8.37	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 4058)	Natural Gas	8.37	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas boiler (operating permit # 4058)	Natural Gas	1.53	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas furnace	Natural Gas	2.32	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas furnace	Natural Gas	0.27	---	0.21	---	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	0.25	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	0.50	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.50	---	0.21	---	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.27	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	0.50	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	0.50	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas space heater	Natural Gas	---	---	0.21	---	---	---	---	---

MCDONNELL DOUGLAS CORPORATION

St. Louis, Missouri

Tracts I and II

Table D05-5: COMPLIANCE DETERMINATION WITH 10 CSR 10-5.030,
Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating

EQ POINT NO.	EMISSION UNIT NUMBER	DESCRIPTION	FUEL TYPE	HEAT INPUT RATING (Q) (MMBTU/Hr)		PM EMISSION RATE LIMIT (lb/MMBTU)		AP-42 Emission Factor for PM Natural Gas (lb/MMBTU)	AP-42 Emission Factor for PM Fuel Oil (lb/MMBTU)	AP-42 Emission Factor for PM Propane (lb/MMBTU)	Stack Test Emission Factor (lb/MMBTU)
				Existing Source (Installed before Feb. 15, 1979)	New Source (Installed after Feb. 15, 1979)	Existing Sources $E=1.09Q^{0.259}$	New Sources $E=0.80Q^{0.301}$				
CS-STL-01	CS-221-01	Natural gas boiler (operating permit # 4103)	Natural Gas	3.35	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-221-02	Natural gas boiler (operating permit # 4103)	Natural Gas	3.35	---	0.21	---	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas water heater	Natural Gas	---	0.05	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Binks unit heater	Natural Gas	---	4.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Hastings make-up air heater	Natural Gas	---	4.78	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas McQuay unit heater	Natural Gas	---	1.75	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas McQuay unit heater	Natural Gas	---	1.75	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas RTU #4 unit heater	Natural Gas	---	3.99	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas RTU #5 unit heater	Natural Gas	---	3.99	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas RTU #6 unit heater	Natural Gas	---	3.99	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas RTU #7 unit heater	Natural Gas	---	3.99	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas RTU #8 unit heater	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas direct vent boiler	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane unit heater	Natural Gas	---	0.24	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Reznor unit heater	Natural Gas	---	0.50	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Sterling unit heater	Natural Gas	---	0.20	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas McQuay unit heater	Natural Gas	---	0.64	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane unit heater	Natural Gas	---	0.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane unit heater	Natural Gas	---	0.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas	---	0.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas	---	0.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas	---	0.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas	---	0.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas	---	0.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas	---	0.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane space heater	Natural Gas	---	0.35	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas	---	0.35	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas	---	0.23	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas	---	0.04	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas vent heater	Natural Gas	---	0.04	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas hot water heater	Natural Gas	---	0.37	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Weather-Rite make-up air heater	Natural Gas	---	4.32	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas King unit heater	Natural Gas	---	1.25	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas King unit heater	Natural Gas	---	1.25	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas King unit heater	Natural Gas	---	1.25	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas King unit heater	Natural Gas	---	1.25	---	0.10	0.012	---	---	---

MCDONNELL DOUGLAS CORPORATION
St. Louis, Missouri
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Table D05-5: COMPLIANCE DETERMINATION WITH 10 CSR 10-5.030,
Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating

EQ POINT NO.	EMISSION UNIT NUMBER	DESCRIPTION	FUEL TYPE	HEAT INPUT RATING (Q) (MMBTU/HR)		PM EMISSION RATE LIMIT (lb/MMBTU)		AP-42 Emission Factor for PM Natural Gas (lb/MMBTU)	AP-42 Emission Factor for PM Fuel Oil (lb/MMBTU)	AP-42 Emission Factor for PM Propane (lb/MMBTU)	Stack Test Emission Factor (lb/MMBTU)
				Existing Source (Installed before Feb. 15, 1979)	New Source (Installed after Feb. 15, 1979)	Existing Sources E=1.09Q ^{-0.359}	New Sources E=0.80Q ^{-0.301}				
CS-STL-01	CS-STL-01A	Natural gas King unit heater	Natural Gas	---	1.25	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Sterling space heater	Natural Gas	---	0.25	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Bryant space heater	Natural Gas	---	0.25	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Bryant space heater	Natural Gas	---	0.25	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Bryant space heater	Natural Gas	---	0.25	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Bryant space heater	Natural Gas	---	0.25	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Bryant space heater	Natural Gas	---	0.25	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Bryant space heater	Natural Gas	---	0.25	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Bryant space heater	Natural Gas	---	0.34	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Tappen space heater	Natural Gas	---	0.25	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Lennox space heater	Natural Gas	---	0.12	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas	---	0.12	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas	---	0.12	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas	---	0.12	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas	---	0.12	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Reznor space heater	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane unit heater	Natural Gas	---	0.15	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Trane unit heater	Natural Gas	---	0.28	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Bryant unit heater	Natural Gas	---	0.24	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas King unit heater	Natural Gas	---	0.39	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas King unit heater	Natural Gas	---	0.40	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Modine unit heater	Natural Gas	---	0.49	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas King unit heater	Natural Gas	---	0.11	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Modine space heater	Natural Gas	---	0.11	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Modine space heater	Natural Gas	---	0.08	---	0.10	0.011	---	---	---
CS-STL-01	CS-STL-01A	Natural gas State water heater	Natural Gas	---	2.10	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Natural gas Raypack boiler	Natural Gas	---	11.50	---	0.10	0.012	---	---	---
CS-STL-01	CS-STL-01A	Miscellaneous Small Combustion Sources	Natural Gas	---	---	---	---	---	---	---	---
Total				541.59	508.13						

FORM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE		Section D	
Facility Name McDonnell Douglas Corporation		County No. 4300		Plant No. 0230		Year Submitted 1997	
Emission Point No. CS-005-02, CS-005-03 and CS-005-04		Emission Unit No. CS-005-02, CS-005-03 and CS-005-04		Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #1321			
Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input type="checkbox"/> Testing		<input checked="" type="checkbox"/> Monitoring		<input checked="" type="checkbox"/> Applicable Requirements			
<input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Reporting		<input type="checkbox"/> Gap Filling			
Testing							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.							
Date	Test Method	Firm	Operating Conditions		Summary of Results		
	N.A.						
Recordkeeping							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded		Measurement Method		Frequency		Record Retention	
1) coal input to boiler 2) sulfur content, ash content, and heating value of coal		1) record keeping log 2) coal delivery ticket		1) daily 2) each delivery		5 years	
Monitoring							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type record keeping as identified in the above section		Location Description				Pollutant(s) Being Monitored	
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
Reporting							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement coal usage and analysis reports		Title of Report -			Submittal Frequency monthly		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CS-101-05 CS-101-06	Emission Unit No. CS-101-05 CS-101-06	Applicable Requirement: 40 CFR Part 60, Subpart E		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Reporting <input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method N.A.	Firm	Operating Conditions	Summary of Results
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded 1) incinerator charging rate 2) hours of operation	Measurement Method 1) load counter 2) record keeping log	Frequency daily	Record Retention 5 years	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type record keeping as identified in the above section	Location Description		Pollutant(s) Being Monitored	
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement No additional reporting required past initial performance test.	Title of Report N.A.		Submittal Frequency N.A.	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CS-101-05 CS-101-06	Emission Unit No. CS-101-05 CS-101-06	Applicable Requirement: 10 CSR 10-5.080		

5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method

☒ Testing

☐ Recordkeeping

☐ Monitoring

☐ Reporting

Basis of Compliance Method

☐ Applicable Requirements

☒ Gap Filling

Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
4/12/84	EPA Test Method 5	Burns and McDonnell Engineering Co, Inc.	incinerator charge rate: 4,200 lb/hr	Average PM emission rate = 0.063 grains/dscf

Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
N.A.			

Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
N.A.		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
None	-	N.A.

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>MC-STL-01</i>	Emission Unit No. <i>MC-STL-01</i>	Applicable Requirement: <i>40 CFR Part 63, Subpart GG: Applicable subsections of: 63.743, 63.746, 63.749, 63.750, 63.752 and 63.753 for Aerospace Depainting Operations</i>		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method <input checked="" type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		Basis of Compliance Method <input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date -	Test Method <i>per the requirements of the applicable subsections of 63.750</i>	Firm <i>N.A.</i>	Operating Conditions <i>N.A.</i>	Summary of Results <i>N.A.</i>
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>per the requirements of the applicable subsections of 63.752 for the compliance method chosen</i>		Measurement Method <i>as required by the applicable subsections of 63.752</i>	Frequency <i>as required by the applicable subsections of 63.752</i>	Record Retention <i>5 years</i>
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>N.A.</i>		Location Description		Pollutant(s) Being Monitored
Sampling Frequency		Duration of Sampling	How Data Will Be Reported	
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>1) notification of compliance status</i> <i>2) semiannual reports that identify requirements of the applicable subsections of 63.753 for the compliance method chosen</i> <i>3) annual reports per the requirements of 63.753(d)(2) for any exceedance in the applicable limits</i>		Title of Report <i>1) Notification of Compliance Status Report</i> <i>2) Semiannual Certification Report and Semiannual Exceedance Report (if any exceedances occur)</i> <i>3) Exceedance Report</i>		Submittal Frequency <i>1) when source becomes subject to the rule</i> <i>2) every six (6) months from the date of the notification of compliance status</i> <i>3) every twelve (12) months from the date of the notification of compliance status</i>

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. None	Emission Unit No. DP-STL-01	Applicable Requirement: 40 CFR Part 63, Subpart GG: Applicable subsections of: 63.743, 63.746, 63.749, 63.751, 63.752, and 63.753 for Aerospace Depainting Operations		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
<input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Reporting				
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date -	Test Method N.A.	Firm N.A.	Operating Conditions N.A.	Summary of Results N.A.
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded per the requirements of the applicable subsections of 63.752 for the compliance method chosen		Measurement Method as required by the applicable subsections of 63.752	Frequency as required by the applicable subsections of 63.752	Record Retention 5 years
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type per the requirements of the applicable subsections of 63.751 depending on the compliance method chosen		Location Description		Pollutant(s) Being Monitored
Sampling Frequency		Duration of Sampling	How Data Will Be Reported	
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement 1) notification of compliance status 2) semiannual reports that identify requirements of the applicable subsections of 63.753 for the compliance method chosen 3) annual reports per the requirements of 63.753(d)(2) for any exceedance of the applicable limits		Title of Report 1) Notification of Compliance Status Report 2) Semiannual Certification Report and Semiannual Exceedance Report (if any exceedances occur) 3) Exceedance Report		Submittal Frequency 1) when source becomes subject to the rule 2) every six (6) months from the date of the notification of compliance status 3) every twelve (12) months from the date of the notification of compliance status

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>None</i>	Emission Unit No. <i>EG-STL-01</i>	Applicable Requirement: <i>10 CSR 10-5.180</i>		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Applicable Requirements		
<input type="checkbox"/> Recordkeeping	<input type="checkbox"/> Reporting	<input checked="" type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	<i>N.A.</i>			
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method		Frequency	Record Retention
<i>N.A.</i>				
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description			Pollutant(s) Being Monitored
<i>Agency inspection records</i>				<i>opacity</i>
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report		Submittal Frequency	
<i>None</i>	<i>N.A.</i>		<i>N.A.</i>	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>None</i>	Emission Unit No. <i>HW-STL-01</i>	Applicable Requirement: <i>40 CFR Part 63, Subpart GG:</i> <i>Applicable subsections of: 63.743, 63.748, and 63.749</i> <i>for Waste Handling</i>		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method <input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		Basis of Compliance Method <input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>per the requirements of 63.748</i>	Measurement Method <i>established work practices to handle and transfer waste in a manner which minimizes spills</i>	Frequency <i>as waste is handled and transferred</i>	Record Retention <i>N.A.</i>	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>N.A.</i>	Location Description		Pollutant(s) Being Monitored	
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>None</i>	Title of Report -		Submittal Frequency <i>N.A.</i>	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

ORM OP - J5

COMPLIANCE DETERMINATION METHOD

FEDERALLY ENFORCEABLE

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. None	Emission Unit No. MS-027-04	Applicable Requirement: 40 CFR Part 63, Subpart DD: Applicable subsections of: 63.683, 63.688, 63.696, 63.697 Applicable subsections of Subpart A and Subpart PP		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<div><div>Testing</div><div><input checked="" type="checkbox"/> Recordkeeping</div></div>		<div><div><input checked="" type="checkbox"/> Monitoring</div><div><input checked="" type="checkbox"/> Reporting</div></div> <div><div><input checked="" type="checkbox"/> Applicable Requirements</div><div><input type="checkbox"/> Gap Filling</div></div>		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
per the requirements of the applicable subsections of 63.696			5 years	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description		Pollutant(s) Being Monitored	
as identified in the applicable subsections of 63.926 (Subpart PP)				
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report		Submittal Frequency	
per the requirements of the applicable subsections of 63.697			per the requirements of the applicable subsections of 63.697	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>ML-051-01</i> <i>None</i>	Emission Unit No. <i>ML-051-01</i> <i>ML-051-02</i>	Applicable Requirement: <i>40 CFR Part 63, Subpart GG:</i> <i>Applicable subsections of: 63.743, 63.747, 63.749, 63.750, 63.752 and 63.753</i> <i>for Aerospace Chemical Milling Maskant</i>		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method <input checked="" type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		Basis of Compliance Method <input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
<input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Reporting				
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date -	Test Method <i>per the requirements of the applicable subsections of 63.750 depending on the compliance method chosen</i>	Firm <i>N.A.</i>	Operating Conditions <i>N.A.</i>	Summary of Results <i>N.A.</i>
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>per the requirements of the applicable subsections of 63.752 as appropriate for the compliance method chosen</i>		Measurement Method <i>as required by the applicable subsections of 63.752 for the compliance method chosen</i>	Frequency <i>as required by the applicable subsections of 63.752 for the compliance method chosen</i>	Record Retention <i>5 years</i>
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>N.A.</i>		Location Description		Pollutant(s) Being Monitored
Sampling Frequency		Duration of	How Data Will Be Reported	
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>1) notification of compliance status</i> <i>2) semiannual reports that identify requirements of the applicable subsections of 63.753 for the compliance method chosen</i>		Title of Report <i>1) Notification of Compliance Status Report</i> <i>2) Semiannual Report</i>		Submittal Frequency <i>1) when source becomes subject to the rule</i> <i>2) every six (6) months from the date of the notification of compliance status</i>

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. ML-051-01	Emission Unit No. CC-051-01 CC-051-02	Applicable Requirement: 40 CFR Part 63, Subpart T: Applicable subsections of: 63.460, 63.462, and 63.468 40 CFR Part 63, Subpart A: Applicable subsections of 63.10		

5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method	Basis of Compliance Method
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling
<input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Reporting	

Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			

Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
per the applicable subsections of 63.10	per the applicable subsections of 63.10	per the applicable subsections of 63.10	5 years

Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
N.A.		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
per the applicable subsections of 63.468	-	per the applicable subsections of 63.468

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>None</i>	Emission Unit No. <i>ML-051-02</i>	Applicable Requirement: <i>10 CSR 10-5.330</i>	

5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method

☐ Testing
 ☒ Monitoring
 ☒ Recordkeeping
 ☐ Reporting

Basis of Compliance Method

☒ Applicable Requirements
 ☐ Gap Filling

Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	<i>N.A.</i>			

Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
<i>as required by Section (6) of the rule</i>	<i>as required by Section (6) of the rule</i>	<i>as required by Section (6) of the rule</i>	<i>5 years</i>

Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
<i>record keeping as identified in the above section</i>		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
<i>None required. Records shall be made available upon agency request.</i>	<i>N.A.</i>	<i>N.A.</i>

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

FORM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE		Section D	
Facility Name McDonnell Douglas Corporation		County No. 4300		Plant No. 0230		Year Submitted 1997	
Emission Point No. <i>None</i>		Emission Unit No. <i>OV-220-11</i> <i>OV-220-12, OV-220-13, OV-220-14</i>		Applicable Requirement: <i>10 CSR 10-5.050</i>			
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input type="checkbox"/> Testing		<input checked="" type="checkbox"/> Monitoring		<input type="checkbox"/> Applicable Requirements			
<input checked="" type="checkbox"/> Recordkeeping		<input type="checkbox"/> Reporting		<input checked="" type="checkbox"/> Gap Filling			
Testing							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.							
Date	Test Method	Firm	Operating Conditions		Summary of Results		
	<i>N.A.</i>						
Recordkeeping							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded		Measurement Method		Frequency		Record Retention	
<i>material throughputs and PM emission rate</i>		<i>mass balance calculations using material throughputs and best engineering judgment on the PM emitted</i>		<i>annually (hourly rate back calculated from annual emission rate)</i>		<i>5 years</i>	
Monitoring							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type		Location Description				Pollutant(s) Being Monitored	
<i>record keeping as identified in the above section</i>							
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
Reporting							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement		Title of Report			Submittal Frequency		
<i>None</i>		<i>N.A.</i>			<i>N.A.</i>		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. PT-027-05	Emission Unit No. PT-027-05A	Applicable Requirement: 40 CFR Part 63, Subpart N: Applicable subsections of: 63.340, 63.342, 63.343, 63.346 and 63.347	

5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method

☐ Testing☒ Recordkeeping☒ Monitoring☒ Reporting

Basis of Compliance Method

☐ Applicable Requirements☒ Gap Filling

Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			

Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
as identified in the applicable subsections of 63.346 and in McDonnell Douglas' Operation and Maintenance Plan	identified in the Operation and Maintenance Plan	varies, frequency is dependent on the occurrence of an event (i.e., malfunction, maintenance, etc.)	5 years

Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
Tensiometer	Bldg. 27, Process Control Lab	surface tension
Sampling Frequency	Duration of Sampling	How Data Will Be Reported
once per week, regardless of hours of operation	instantaneous (grab sample)	Tensiometer readings will be recorded in a computerized data collection log along with other pertinent information.

Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
on-going compliance status	On-going Compliance Status Report	semiannually

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

FORM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE		Section D	
Facility Name McDonnell Douglas Corporation		County No. 4300		Plant No. 0230		Year Submitted 1997	
Emission Point No. SP-005-01		Emission Unit No. SP-005-01		Applicable Requirement: 10 CSR 10-5.120			
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input checked="" type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping				<input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Reporting <input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling			
Testing							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.							
Date	Test Method N.A.	Firm	Operating Conditions		Summary of Results		
Recordkeeping							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded coal tickets		Measurement Method Records of each coal delivery ticket will be kept on file.		Frequency each delivery		Record Retention 5 years	
Monitoring							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type record keeping as identified in the above section		Location Description			Pollutant(s) Being Monitored		
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
Reporting							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement None		Title of Report N.A.			Submittal Frequency N.A.		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

Duplicate this form as needed

CRM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE		Section D	
Facility Name McDonnell Douglas Corporation		County No. 4300		Plant No. 0230		Year Submitted 1997	
Emission Point No. <i>None</i>		Emission Unit No. <i>ST-005-20, ST-005-21, ST-041-21 through ST-041-24, ST-102-21, ST-111-01</i>		Applicable Requirement: <i>40 CFR Part 60, NSPS, Subpart Kb (Section 60.116b only)</i>			
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping				<input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling			
<input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Reporting							
Testing							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.							
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results			
Recordkeeping							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded		Measurement Method		Frequency		Record Retention	
<i>tank dimensions and calculated capacity</i>		<i>engineering measurements and calculations</i>		<i>one time determination</i>		<i>for the life of the tank</i>	
Monitoring							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type <i>record keeping as identified in the above section</i>		Location Description				Pollutant(s) Being Monitored	
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
Reporting							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement <i>No routine reporting. Records shall be made available upon agency request.</i>		Title of Report <i>N.A.</i>			Submittal Frequency <i>N.A.</i>		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. ST-STL-01	Emission Unit No. ST-022-22 and ST-022-25	Applicable Requirement: 10 CSR 10-5.220, (5), (6), (8) (10), and (11)		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input checked="" type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements		
<input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting	<input type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date <i>to be per- formed in 1997</i>	Test Method <i>Director approved leak detection and blockage tests</i>	Firm <i>to be determined</i>	Operating Conditions <i>to be determined</i>	Summary of Results <i>to be determined</i>
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>per the requirements of Sections (5)(D) and (11)(C)</i>	Measurement Method <i>Records of parameters required by Sections (5)(D) and (11)(C) shall be kept on file.</i>	Frequency <i>Records of parameters required by Sections (5)(D) and (11)(C) shall be kept on file as the information is received</i>	Record Retention <i>5 years</i>	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>1) record keeping as identified in the above section</i> <i>2) See note below.</i>	Location Description			Pollutant(s) Being
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>No routine reporting is required after obtaining or renewing an operating permit. Records shall be made available to the agency upon request.</i>	Title of Report <i>N.A.</i>			Submittal Frequency <i>renewal of operating permit once every five years</i>

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. ST-STL-01	Emission Unit No. ST-041-20	Applicable Requirement: 10 CSR 10-5.220, (5), (6), (8), (9), (10), and (11)		

5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method		Basis of Compliance Method
<input checked="" type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements
<input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting	<input type="checkbox"/> Gap Filling

Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.

Date <i>to be performed in 1997</i>	Test Method <i>Director approved leak detection and blockage tests</i>	Firm <i>to be determined</i>	Operating Conditions <i>to be determined</i>	Summary of Results <i>to be determined</i>
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Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded <i>per the requirements of Sections (5)(D) and (11)(C)</i>	Measurement Method <i>Records of parameters required by Sections (5)(D) and (11)(C) shall be kept on file.</i>	Frequency <i>Records of parameters required by Sections (5)(D) and (11)(C) shall be kept on file as the information is received.</i>	Record Retention <i>5 years</i>
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Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type <i>1) record keeping as identified in the above section</i> <i>2) See note below.</i>	Location Description	Pollutant(s) Being
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement <i>No routine reporting is required after obtaining or renewing an operating permit. Records shall be made available to the agency upon request.</i>	Title of Report <i>N.A.</i>	Submittal Frequency <i>renewal of operating permit once every five years</i>
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Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. ST-STL-01	Emission Unit No. ST-121-01	Applicable Requirement: 10 CSR 10-5.220 (5)		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Reporting <input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method N.A.	Firm	Operating Conditions	Summary of Results
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded per the requirements of Section (5)(D)	Measurement Method Keep records of vessel owner and deliveries on file.	Frequency as they occur	Record Retention 5 years	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type record keeping as identified in the above section	Location Description			Pollutant(s) Being
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement No routine reporting is required. Records shall be made available to the agency upon request.	Title of Report N.A.			Submittal Frequency N.A.

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. VD-027-01	Emission Unit No. VD-027-01	Applicable Requirement: 40 CFR Part 63, Subpart T: Applicable subsections of: 63.460, 63.463, 63.465, 63.466, 63.467 and 63.468		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements		
<input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting	<input type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method N.A.	Firm	Operating Conditions	Summary of Results
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>per the requirements of the applicable subsections of 63.467</i>	Measurement Method <i>per the requirements of the applicable subsections of 63.467</i>	Frequency <i>per the requirements of the applicable subsections of 63.467</i>	Record Retention 5 years	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>per the requirements of the applicable subsections of 63.466</i>	Location Description			Pollutant(s) Being
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement 1) exceedance report 2) solvent emission or annual report (depending on compliance method chosen)	Title of Report 1) Exceedance Report 2) Solvent Emission or Annual Report		Submittal Frequency 1) semiannually 2) annually	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CC-STL-01	Emission Unit No. VD-042-01 VD-042-02	Applicable Requirement: 40 CFR Part 63, Subpart T: Applicable subsections of: 63.460, 63.463, 63.465, 63.466, 63.467 and 63.468		
6. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
<input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Reporting				
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method N.A.	Firm	Operating Conditions	Summary of Results
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded per the requirements of the applicable subsections of 63.467	Measurement Method per the requirements of the applicable subsections of 63.467	Frequency per the requirements of the applicable subsections of 63.467	Record Retention 5 years	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type per the requirements of the applicable subsections of 63.466	Location Description		Pollutant(s) Being	
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement 1) exceedance report 2) solvent emission report or annual report (depending on the compliance method chosen)	Title of Report 1) Exceedance Report 2) Solvent Emission or Annual Report		Submittal Frequency 1) semiannually 2) annually	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>VD-029-01, VD-101-02, VD-102-01 and VD-220-01</i>		Emission Unit No. <i>VD-029-01, VD-101D-04, VD-102-01 and VD-220-01</i>	Applicable Requirement: <i>40 CFR Part 63, Subpart T: Applicable subsections of: 63.460, 63.464, 63.465, 63.467 and 63.468</i>	
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method			Basis of Compliance Method	
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping			<input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling	
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>solvent usage</i>	Measurement Method <i>1) Keep log of dates and amounts of solvent added and removed. 2) Keep calculation sheets showing how monthly and 3-month average emissions are determined.</i>		Frequency <i>monthly</i>	Record Retention <i>5 years</i>
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>N.A.</i>	Location Description			Pollutant(s) Being Monitored
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>1) exceedance report 2) solvent emission report</i>	Title of Report <i>1) Exceedance Report 2) Solvent Emission Report</i>		Submittal Frequency <i>1) semiannually 2) annually</i>	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>VD-101-01</i>	Emission Unit No. <i>VD-101-01</i>	Applicable Requirement: <i>40 CFR Part 63, Subpart T:</i> <i>Applicable subsections of: 63.460, 63.463, 63.465, 63.466, 63.467 and 63.468</i>		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements		
<input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting	<input type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>per the requirements of the applicable subsections of 63.467</i>	Measurement Method <i>per the requirements of the applicable subsections of 63.467</i>	Frequency <i>per the requirements of the applicable subsections of 63.467</i>	Record Retention <i>5 years</i>	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>per the requirements of the applicable subsections of 63.466</i>	Location Description -		Pollutant(s) Being Monitored -	
Sampling Frequency -	Duration of Sampling -	How Data Will Be Reported -		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>1) exceedance report</i> <i>2) solvent emission or annual report (depending on compliance method chosen)</i>	Title of Report <i>1) Exceedance Report</i> <i>2) Solvent Emission or Annual Report</i>		Submittal Frequency <i>1) semiannually</i> <i>2) annually</i>	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

FORM OP - D05

COMPLIANCE DETERMINATION METHODS

FEDERALLY ENFORCEABLE

Section D

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Vapor Degreasers,</i> <i>CC-STL-01, VD-027-01, VD-029-01,</i> <i>VD-101-01, VD-101-02, VD-102-01,</i> <i>VD-220-01</i>	Emission Unit No. <i>Vapor Degreasers,</i> <i>VD-042-01, VD-042-02, VD-027-01,</i> <i>VD-029-01, VD-101-01, VD-101D-04,</i> <i>VD-102-01, VD-220-01</i>	Applicable Requirement: <i>10 CSR 10-5.300</i>		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method <input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		Basis of Compliance Method <input type="checkbox"/> Applicable Requirements <input checked="" type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>1) solvent types and purchases</i> <i>2) solvent consumptions and wastes generated</i> <i>3) maintenance and repair logs</i> <i>4) operator training</i>	Measurement Method <i>1) Keep records of solvent types and purchases.</i> <i>2) Keep records of solvent consumptions and waste generated.</i> <i>3) Keep records of maintenance and repair logs.</i> <i>4) Conduct and keep records of training for degreaser operators and their supervisors.</i>	Frequency <i>1) monthly</i> <i>2) as they occur</i> <i>3) as they occur</i> <i>4) once per year</i>	Record Retention <i>1) 5 years</i> <i>2) 5 years</i> <i>3) 5 years</i> <i>4) 5 years</i>	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>record keeping as identified in the above section</i>	Location Description			Pollutant(s) Being Monitored
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>No routine reporting. Records available upon agency request.</i>	Title of Report <i>N.A.</i>		Submittal Frequency <i>N.A.</i>	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>VD-029-01</i>	Emission Unit No. <i>VD-029-01</i>	Applicable Requirement: <i>10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #6258</i>		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Reporting <input type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.				
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>solvent usage</i>	Measurement Method <i>record keeping log</i>	Frequency <i>monthly</i>	Record Retention <i>5 years</i>	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>record keeping as identified in the above section</i>	Location Description		Pollutant(s) Being Monitored	
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>1) usage exceedances</i> <i>2) monthly solvent usage</i>	Title of Report -		Submittal Frequency <i>1) by the next working day after occurrence</i> <i>2) upon agency request</i>	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

FORM OP 5		COMPLIANCE DETERMINATION METHOD		FEDERALLY ENFORCEABLE-ALT. OP SCENARIO		Section D	
Facility Name McDonnell Douglas Corporation			County No. 4300		Plant No. 0230		Year Submitted 1997
Emission Point No. CC-STL-01		Emission Unit No. CC-032-02, CC-032-03 and CC-245-04		Applicable Requirement: 10 CSR 10-5.300			
Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input type="checkbox"/> Testing		<input checked="" type="checkbox"/> Monitoring		<input type="checkbox"/> Applicable Requirements			
<input checked="" type="checkbox"/> Recordkeeping		<input type="checkbox"/> Reporting		<input checked="" type="checkbox"/> Gap Filling			
Testing							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.							
Date	Test Method	Firm	Operating Conditions		Summary of Results		
	N.A.						
Recordkeeping							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded		Measurement Method		Frequency		Record Retention	
1) solvent types and purchases		1) Records shall be kept of solvent types and purchases.		1) monthly		1) 5 years	
2) solvent consumptions and wastes generated		2) Records shall be kept of solvent consumptions and waste generated.		2) as they occur		2) 5 years	
3) maintenance and repair logs		3) Records shall be kept of maintenance and repair logs.		3) as they occur		3) 5 years	
4) operator training		4) Conduct and keep records of training for degreaser operators and their supervisors.		4) once per year		4) 5 years	
Monitoring							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type		Location Description			Pollutant(s) Being Monitored		
record keeping as identified in the above section							
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
Reporting							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement		Title of Report			Submittal Frequency		
No routine reporting. Records available upon agency request.		N.A.			N.A.		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

FORM OP 15		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE-ALT. OP. SCENARIO		action D	
Facility Name McDonnell Douglas Corporation		County No. 4300		Plant No. 0230		Year Submitted 1997	
Emission Point No. None		Emission Unit No. SB-101-34, SB-101-48, and SB-220-02		Applicable Requirement: 40 CFR Part 63, Subpart GG: Applicable subsections of: 63.743, 63.745, 63.749, 63.750, 63.751, 63.752, and 63.753			
Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input checked="" type="checkbox"/> Testing		<input checked="" type="checkbox"/> Monitoring		<input checked="" type="checkbox"/> Applicable Requirements			
<input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Reporting		<input type="checkbox"/> Gap Filling			
Testing							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.							
Date	Test Method	Firm	Operating Conditions	Summary of Results			
-	per the requirements of the applicable subsections of 63.750	N.A.	N.A.	N.A.			
Recordkeeping							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded		Measurement Method		Frequency		Record Retention	
per the requirements of the applicable subsections of 63.752 depending on the compliance method chosen		as required by the applicable subsections of 63.752 for the compliance method chosen		as required by the applicable subsections of 63.752 for the compliance method chosen		5 years	
Monitoring							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type		Location Description				Pollutant(s) Being	
per the requirements of the applicable subsections of 63.751 depending on the compliance method chosen							
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
Reporting							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement		Title of Report			Submittal Frequency		
1) notification of compliance status		1) Notification of Compliance Status Report			1) when source becomes subject to the rule		
2) semiannual reports that identify requirements of the applicable subsections of 63.753 for the compliance method chosen		2) Semiannual Certification Report and Semiannual Exceedance Report (if any exceedances occur)			2) every six (6) months from the date of the notification of compliance status		
3) annual reports per the requirements of 63.753(c)(2) for any exceedance of the applicable limits		3) Exceedance Report			3) every twelve (12) months from the date of the notification of compliance status		

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>None</i>	Emission Unit No. <i>SB-101-34, SB-101-48, and SB-220-02</i>	Applicable Requirement: <i>10 CSR 10-5.330</i>	

5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)			
Check the Applicable Method		Basis of Compliance Method	
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements	
<input checked="" type="checkbox"/> Recordkeeping	<input type="checkbox"/> Reporting	<input type="checkbox"/> Gap Filling	

Testing	Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.
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Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results
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Recordkeeping	List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.
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Parameter (data) Being Recorded <i>as required by Section (6) of the rule</i>	Measurement Method <i>as required by Section (6) of the rule</i>	Frequency <i>as required by Section (6) of the rule</i>	Record Retention <i>5 years</i>
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Monitoring	Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.
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Monitoring Device Type <i>record keeping as identified in the above section</i>	Location Description	Pollutant(s) Being Monitored
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Sampling Frequency	Duration of Sampling	How Data Will Be Reported
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Reporting	Describe all reporting requirements and provide the title and frequency of report submittals to the agency.
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Reporting Requirement <i>None required. Records shall be made available upon agency request.</i>	Title of Report <i>N.A.</i>	Submittal Frequency <i>N.A.</i>
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Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

FORM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE-ALT. OP. SCENARIO		Section D			
Facility Name McDonnell Douglas Corporation			County No. 4300		Plant No. 2300		Year Submitted 1997		
Emission Point No. See Table D05-1A (attached)			Emission Unit No. See Table D05-1A (attached)		Applicable Requirement: 40 CFR Part 63, Subpart GG, 63.743(d)				
Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)									
Check the Applicable Method				Basis of Compliance Method					
<input type="checkbox"/> Testing				<input checked="" type="checkbox"/> Applicable Requirements					
<input checked="" type="checkbox"/> Recordkeeping				<input type="checkbox"/> Gap Filling					
<input type="checkbox"/> Monitoring									
<input type="checkbox"/> Reporting									
Testing									
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.									
Date		Test Method		Firm		Operating Conditions		Summary of Results	
		N.A.							
Recordkeeping									
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.									
Parameter (data) Being Recorded			Measurement Method			Frequency		Record Retention	
Organic HAP and VOC content of the combination of primers, topcoats, or chemical milling maskants			Determine organic HAP and VOC limit by monthly volume-weighted average calculations.			monthly		5 years	
Monitoring									
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.									
Monitoring Device Type			Location Description				Pollutant(s) Being Monitored		
N.A.									
Sampling Frequency			Duration of Sampling		How Data Will Be Reported				
Reporting									
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.									
Reporting Requirement			Title of Report			Submittal Frequency			
N.A.			N.A.			N.A.			
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05									

MCDONNELL DOUGLAS CORPORATION

St. Louis, Missouri

Tracts I and II

**Table D05-1A: Alternate Operating Scenario for Coating Lines and Maskant Lines
(Aerospace Production)**

EIQ Emission Point No.	Emission Unit No.	Description	Manufacturer/Model No./ Date of Manufacture	Stack No.
CL-002-01	SB-002-01	Spray Booth (Aerospace Production)	Unknown	SB002-01
CL-002-02	SB-002-06	Spray Booth (Aerospace Production)	Unknown	SB002-06
CL-027-01	SB-027-01	Spray Booth (Aerospace Production)	Unknown	SB027-01
CL-027-01	SB-027-02	Spray Booth (Aerospace Production)	Unknown	SB027-01A
CL-027-01	SB-027-03	Spray Booth (Aerospace Production)	Unknown	SB027-01B
CL-027-01	SB-027-04	Spray Booth (Aerospace Production)	Unknown	SB027-02
CL-027-01	SB-027-05	Spray Booth (Aerospace Production)	Unknown	SB027-02A
CL-029-01	CL-029-01	Spray Booth (Aerospace Production) (Adhesive Bonding Primers & Specialty Coatings)	Unknown	CL029-01
CL-029-02	SB-029A-01	Spray Booth (Aerospace Production & QA/QC)	Unknown	SB029A-01
CL-048-01	SB-048-01	Spray Booth (Aerospace Production)	Unknown	SB048-01
CL-048-01	SB-048-02	Spray Booth (Aerospace Production)	Unknown	SB048-01A
CL-048-01	SB-048-03	Spray Booth (Aerospace Production)	Unknown	SB048-01B
CL-048-01	SB-048-04	Spray Booth (Aerospace Production)	Unknown	SB048-01C
CL-048-01	SB-048-05	Spray Booth (Aerospace Production)	Unknown	SB048-02
CL-048-01	SB-048-06	Spray Booth (Aerospace Production)	Unknown	SB048-02A
CL-048-01	SB-048-07	Spray Booth (Aerospace Production)	Unknown	SB048-02B
CL-048-01	SB-048-08	Spray Booth (Aerospace Production)	Unknown	SB048-02C
CL-060-01	SB-060-01	Spray Booth (Aerospace Production Using Aerosol Cans))	Unknown	SB060-01
CL-063-01	SB-063-01	Spray Booth (Aerospace Production)	Unknown	SB063-01
CL-066-01	SB-066-01	Spray Booth (Aerospace Production)	Unknown	SB066-02
CL-066-02	SB-066-02	Spray Booth (Research & Development)	Unknown	SB066-01
CL-101-01	SB-101-01	Spray Booth (Aerospace Production) (Specialty Coatings Only)	Unknown	SB101-01
CL-101-01	SB-101-25	Spray Booth (Aerospace Production)	Unknown	SB101-01
CL-101-01	SB-101-26	Spray Booth (Aerospace Production)	Unknown	SB101-26
CL-101-01	SB-101-27	Spray Booth (Aerospace Production)	Unknown	SB101-27

MCDONNELL DOUGLAS CORPORATION

St. Louis, Missouri

Tracts I and II

**Table D05-1A: Alternate Operating Scenario for Coating Lines and Maskant Lines
(Aerospace Production)**

EQ Emission Point No.	Emission Unit No.	Description	Manufacturer/Model No./ Date of Manufacture	Stack No.
CL-101-01	SB-101-29	Bench Spray Hood (Aerospace Production)	Unknown	SB101-29
CL-101-01	SB-101-30	Spray Booth (Aerospace Production)	Unknown	SB101-30
CL-101-01	SB-101-39	Spray Booth (Aerospace Production)	Unknown	SB101-39A
CL-101-01	SB-101-44	Spray Booth (Research & Development)	Unknown	SB101-44
CL-101-02	SB-101-02	Spray Booth (Aerospace Production and Research & Development Activities)	Unknown	SB101-02
CL-101-02	SB-101-33	Spray Booth (Aerospace Production and Research & Development Activities)	Unknown	SB101-33
CL-101-02	SB-101-40	Spray Booth (Aerospace Production)	Unknown	SB101-40
CL-101-02	SB-101-40A	Spray Booth (Aerospace Production)	Unknown	SB101-40A
CL-101-03	SB-101-04	Spray Booth (Periodic Aerospace Production and Research and Development)	Unknown	SB101-45A
CL-101-03	SB-101-41	Spray Booth (Research & Development)	Unknown	SB101-41
CL-101-03	SB-101-06	Spray Booth (Mock-up and Tooling, Periodic Aerospace Production)	Unknown	SB101-45B
CL-101-03	SB-101-43	Spray Booth (Research & Development)	Unknown	SB101-43
CL-101-03	SB-101-35	Spray Booth (Research & Development)	Unknown	SB101-35
CL-101-03	SB-101-45	Spray Booth (Research & Development)	Unknown	SB101-45
CL-102-01	SB-102-01	Spray Booth (Research & Development)	Unknown	SB102-01
CL-102-01	SB-102-03	Spray Booth (Aerospace Production)	Unknown	SB102-03
CL-220-01	SB-220-01	Spray Booth (Aerospace Production) (Adhesive Bonding Primers & Specialty Coatings)	Unknown	SB220-01
CL-248-01	SB-248-01	Spray Booth (Research & Development)	Unknown	SB248-01
NONE	SB-101-10	Spray Booth (Research & Development)	Unknown	SB101-10
BF-STL-01	BF-STL-01	Facility-Wide Painting Operations (Aerospace Production) (Note: This emission point includes painting operations which are directly related to aerospace production, but are performed outside of a spray booth.)	Unknown	None
ML-051-01	ML-051-01	Maskant Line (Perchloroethylene)	Baron-Blakeslee CAH 6 12-3T-SP, 1982	S-5137
None	ML-051-02	Maskant Line (Waterbased)	Unknown	S-051-02

FORM OP 05		COMPLIANCE DETERMINATION METHOD		FEDERALLY ENFORCEABLE-ALT. OP. SCENARIO		Section D	
Facility Name McDonnell Douglas Corporation		County No. 4300		Plant No. 0230		Year Submitted 1997	
Emission Point No. ML-051-01		Emission Unit No. ML-051-01		Applicable Requirement: 40 CFR Part 63, Subpart GG: Applicable subsections of: 63.743, 63.747, 63.749, 63.750, 63.752, and 63.753			
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input checked="" type="checkbox"/> Testing		<input checked="" type="checkbox"/> Monitoring		<input checked="" type="checkbox"/> Applicable Requirements			
<input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Reporting		<input type="checkbox"/> Gap Filling			
Testing							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.							
Date	Test Method	Firm	Operating Conditions	Summary of Results			
-	per the requirements of the applicable subsections of 63.750 depending on the compliance method chosen	N.A.	N.A.	N.A.			
Recordkeeping							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded		Measurement Method		Frequency		Record Retention	
per the requirements of the applicable subsections of 63.752 as appropriate for the compliance method chosen		as required by the applicable subsections of 63.752		as required by the applicable subsections of 63.752		5 years	
Monitoring							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type		Location Description			Pollutant(s) Being Monitored		
record keeping as identified in the above section							
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
Reporting							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement		Title of Report			Submittal Frequency		
1) notification of compliance status		1) Notification of Compliance Status Report			1) when source becomes subject to the rule		
2) semiannual reports that identify requirements of the applicable subsections of 63.753 for the compliance method chosen		2) Semiannual Report			2) every six (6) months from the date of the notification of compliance status		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. ML-051-01	Emission Unit No. ML-051-01	Applicable Requirement: 10 CSR 10-5.330		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements		
<input checked="" type="checkbox"/> Recordkeeping	<input type="checkbox"/> Reporting	<input type="checkbox"/> Gap Filling		
Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			
Recordkeeping				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded as required by Section (6) of the rule	Measurement Method as required by Section (6) of the rule	Frequency as required by Section (6) of the rule	Record Retention 5 years	
Monitoring				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type record keeping as identified in the above section	Location Description		Pollutant(s) Being Monitored	
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
Reporting				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement None required. Records shall be made available upon agency request.	Title of Report N.A.		Submittal Frequency N.A.	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

FORM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE-ALT. OP. SCENARIO		Section D	
Facility Name McDonnell Douglas Corporation			County No. 4300	Plant No. 0230	Year Submitted 1997		
Emission Point No. None	Emission Unit No. ST-120-01 and ST-120-02	Applicable Requirement: 40 CFR Part 60, NSPS, Subpart Kb (Section 60.116b only)					
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input type="checkbox"/> Testing		<input checked="" type="checkbox"/> Monitoring		<input checked="" type="checkbox"/> Applicable Requirements			
<input checked="" type="checkbox"/> Recordkeeping		<input type="checkbox"/> Reporting		<input type="checkbox"/> Gap Filling			
Testing							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.							
Date	Test Method N.A.	Firm	Operating Conditions		Summary of Results		
Recordkeeping							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded tank dimensions and calculated capacity		Measurement Method engineering measurements and calculations		Frequency one time determination		Record Retention for the life of the tank	
Monitoring							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type record keeping as identified in the above section		Location Description				Pollutant(s) Being Monitored	
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
Reporting							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement No routine reporting. Records shall be made available upon agency request.		Title of Report N.A.			Submittal Frequency N.A.		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

Applicable Requirements (federal, state and local regulations plus any federally enforceable permit conditions)

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01 , "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

McDonnell Douglas Corporation

County No.

4300

Plant No.

0230

Year Submitted

1997

4. Applicable Requirements (federal, state and local regulations plus any federally enforceable permit conditions)

Plant
-wide

Pollutant

Applicable Requirement Authority

Emission Limit or Standard
and Units

**Compliance Determination Method
(Testing, Monitoring, etc.)**

Rule limits the VOC content of traffic coatings to 1.26 pounds per gallon of coatings (minus H₂O, minus exempt VOCs, and minus colorants added).

McDonnell Douglas Corporation
uses the coating manufacturer's
data to verify that the VOC
content of purchased traffic
coatings meets the requirements
of this rule.

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01 , "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
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1. Applicable Requirements (federal, state and local regulations plus any federally enforceable permit conditions)

Emission Point/Unit	Pollutant	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.)	Emission Limit or Standard and Units	Compliance Determination Method (Testing, Monitoring, etc.)
Plant -wide	*	10 CSR 10-6.050 Start-up, Shutdown, and Malfunction Conditions	Facility is required to submit information regarding an upset/malfunction condition upon receipt of a notice for excess emissions from MDNR.	McDonnell Douglas Corporation shall provide the information requested in Section (1)(B) of the rule within 15 days of receiving an emission excess notice from MDNR.
Plant -wide	*	St. Louis County Department of Health-Air Pollution Control Code - Chapter 612, Section 612.310 Upset Conditions, scheduled Breakdown, or Scheduled Maintenance (locally enforceable only)	Requires facility to report unavoidable upset or breakdown of equipment within 24 hours of an occurrence of excess emissions. Maintenance shutdowns causing excess emissions are to be reported within 24 hours in advance. Facility is required to submit a report of such occurrences including a statement of known causes and measures taken to prevent them in the future.	Procedures are in place that enable the appropriate McDonnell Douglas personnel to be informed of any maintenance, upset, or breakdown conditions. McDonnell Douglas shall submit notification to St. Louis County within the time frames of this rule.

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01 , "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

*Rule does not specify any one pollutant.

Facility Name	County No.	Plant No.	Year Submitted
McDonnell Douglas Corporation	4300	0230	1997

4. Applicable Requirements (federal, state and local regulations plus any federally enforceable permit conditions)

Emission Point/Unit	Pollutant	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.)	Emission Limit or Standard and Units	Compliance Determination Method (Testing, Monitoring, etc.)
Plant -wide	PM	10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin	Rule prohibits the emission of visible PM beyond the premises of origin. Any facility engaging in construction, repair, cleaning, demolition, or material handling is required to take measures to prevent fugitive particulate matter from becoming visible or depositing on surfaces beyond the property line of the facility.	There are currently no McDonnell Douglas operations where particulates go beyond the facility property boundary as visible emissions or in quantities sufficient to violate this rule. If any PM creating activities occur, McDonnell Douglas Corporation shall take measures such as those listed in Section (1)(C)1.-5. or those requested by the agency director.

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01 , "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.